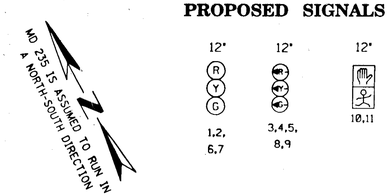
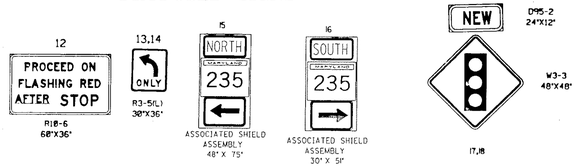
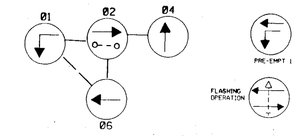
PROPOSED SIGNALS



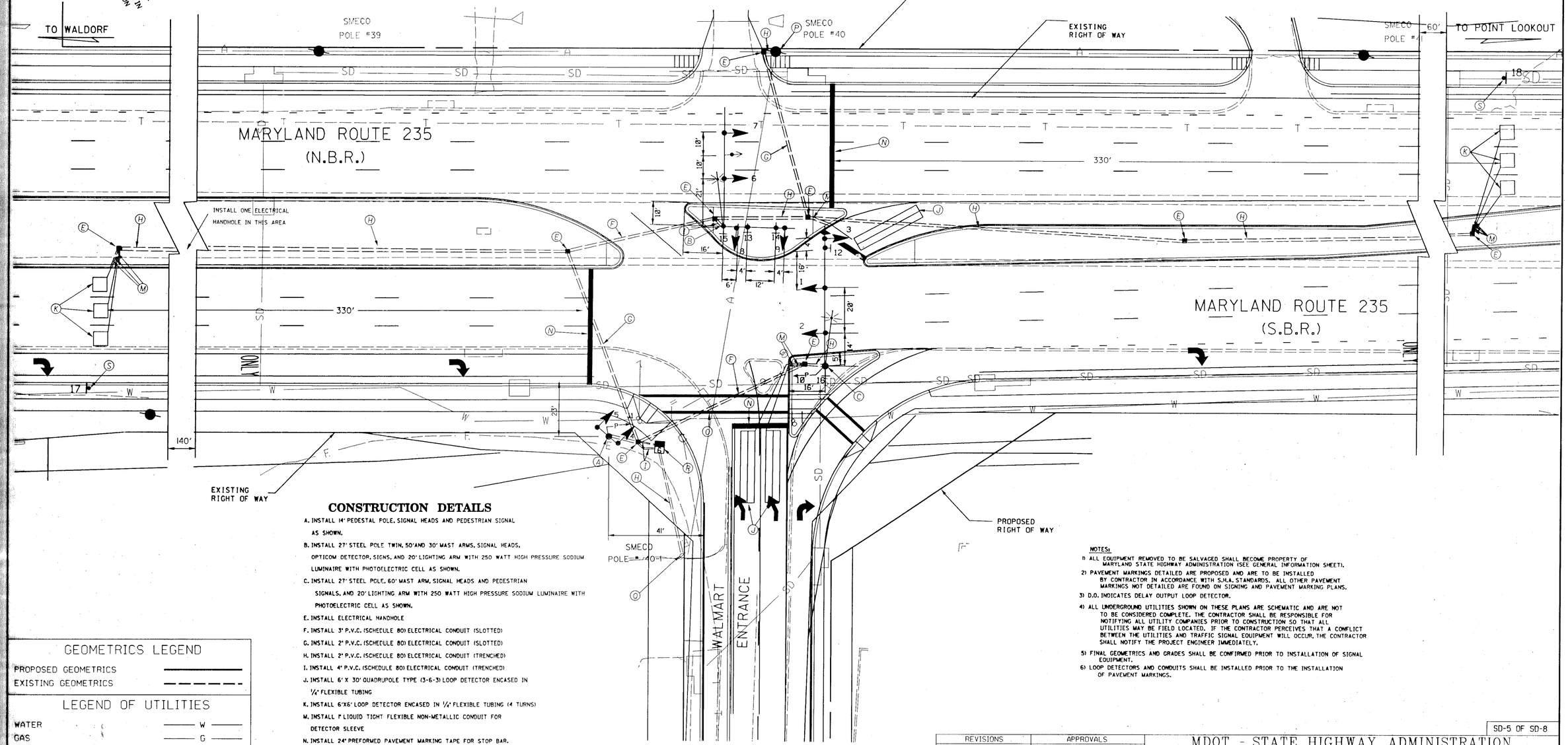
PROPOSED SIGNS



NEMA PHASING



NEMA PHASING NOTES
1. PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY.
2. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.



CONSTRUCTION DETAILS

A. INSTALL 14' PEDESTAL POLE, SIGNAL HEADS AND PEDESTRIAN SIGNAL AS SHOWN.

B. INSTALL 27' STEEL POLE TWIN, 50' AND 30' MAST ARMS, SIGNAL HEADS, OPTICOM DETECTOR, SIGNS, AND 20' LIGHTING ARM WITH 250 WATT HIGH PRESSURE SODIUM LUMINAIRE WITH PHOTOELECTRIC CELL AS SHOWN.

C. INSTALL 27' STEEL POLE, 60' MAST ARM, SIGNAL HEADS AND PEDESTRIAN SIGNALS, AND 20' LIGHTING ARM WITH 250 WATT HIGH PRESSURE SODIUM LUMINAIRE WITH PHOTOELECTRIC CELL AS SHOWN.

E. INSTALL ELECTRICAL HANDHOLE

F. INSTALL 3" P.V.C. (SCHEDULE 80) ELECTRICAL CONDUIT (SLOTTED)

G. INSTALL 2" P.V.C. (SCHEDULE 80) ELECTRICAL CONDUIT (SLOTTED)

H. INSTALL 2" P.V.C. (SCHEDULE 80) ELCETRICAL CONDUIT (TRENCHED)

I. INSTALL 4" P.V.C. (SCHEDULE 80) ELECTRICAL CONDUIT (TRENCHED)

J. INSTALL 6' X 30' QUADRUPOLE TYPE (3-6-3) LOOP DETECTOR ENCASED IN 1/4" FLEXIBLE TUBING

K. INSTALL 6'X6' LOOP DETECTOR ENCASED IN 1/4" FLEXIBLE TUBING (4 TURNS)

M. INSTALL 1" LIQUID TIGHT FLEXIBLE NON-METALLIC CONDUIT FOR DETECTOR SLEEVE

N. INSTALL 24" PREFORMED PAVEMENT MARKING TAPE FOR STOP BAR.

O. INSTALL 12" PREFORMED PAVEMENT MARKING TAPE FOR CROSSWALK.

P. PROPOSED INTERCONNECT SERVICE. INSTALL 2" P.V.C. (SCHEDULE 80) 10' RISER ON SMECO POLE #40.

Q. PROPOSED SMECO POWER SERVICE FEED. INSTALL 2" P.V.C. (SCHEDULE 80) 10' RISER ON SMECO POLE # 40-1

R. INSTALL BASE-MOUNTED CABINET, SIZE # 6, AND CONTROLLER WITH ALL NECESSARY EQUIPMENT AS SHOWN.

S. INSTALL GROUND MOUNTED SIGN.

NOTES:

1) ALL EQUIPMENT REMOVED TO BE SALVAGED SHALL BECOME PROPERTY OF MARYLAND STATE HIGHWAY ADMINISTRATION (SEE GENERAL INFORMATION SHEET).

2) PAVEMENT MARKINGS DETAILED ARE PROPOSED AND ARE TO BE INSTALLED BY CONTRACTOR IN ACCORDANCE WITH S.H.A. STANDARDS. ALL OTHER PAVEMENT MARKINGS NOT DETAILED ARE FOUND ON SIGNING AND PAVEMENT MARKING PLANS.

3) D.O. INDICATES DELAY OUTPUT LOOP DETECTOR.

4) ALL UNDERGROUND UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC AND ARE NOT TO BE CONSIDERED COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING ALL UTILITY COMPANIES PRIOR TO CONSTRUCTION SO THAT ALL UTILITIES MAY BE FIELD LOCATED. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN THE UTILITIES AND TRAFFIC SIGNAL EQUIPMENT WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY.

5) FINAL GEOMETRICS AND GRADES SHALL BE CONFIRMED PRIOR TO INSTALLATION OF SIGNAL EQUIPMENT.

6) LOOP DETECTORS AND CONDUITS SHALL BE INSTALLED PRIOR TO THE INSTALLATION OF PAVEMENT MARKINGS.

GEOMETRICS LEGEND

PROPOSED GEOMETRICS	———
EXISTING GEOMETRICS	– – – – –

LEGEND OF UTILITIES

WATER	——— W ———
GAS	——— G ———
UNDERGROUND TELEPHONE	——— T ———
SANITARY SEWER	——— S ———
UNDERGROUND ELECTRIC	——— E ———
AERIAL	——— A ———
STORM DRAIN	——— SD ———
SEWAGE FORCE MAIN	——— FM ———
CABLE TV	——— TV ———

KCI TECHNOLOGIES

KCI TECHNOLOGIES INC.
ENGINEERS AND PLANNERS
10 NORTH PARK DRIVE
HUNT VALLEY, MARYLAND
21030-1888
(410) 316-7800

REVISIONS	APPROVALS
	PROJECT MANAGER, SIGNAL DESIGN SECTION
	ASST. CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION 10/13/98
	CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
	DIRECTOR, OFFICE OF TRAFFIC & SAFETY

SD-5 OF SD-8

MDOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION LOG MILE: 18023515.58

DRAWN BY: P.S./ R.L.B.
DES. BY: P.S./ R.L.B.
CHK. BY:

MD 235 NORTH OF MD RTE. 4 TO MD RTE. 237
TRAFFIC SIGNAL PLAN
MD 235 AND WALMART ENTRANCE
COUNTY: ST. MARY'S

DATE: 8-98 F.A.P. NO. SEE TITLE SHEET TS/STD. NO. 3842 SHEET NO. 147 OF 213
SCALE: 1" = 20' S.H.A. NO. SEE TITLE SHEET